Appendix 4(a)
Nitrogen Dioxide
Junctions with Significant Traffic
Flows

## Nitrogen Dioxide - Junctions with over 10,000 vehicles per day and relevant exposure within 10m of the kerb.

| Site Town          | Site Name                                      | Year | Junction traffic | Junction HV | % HV |
|--------------------|--|------|------------------|-------------|------|
| SCUNTHORPE         | ASHBY ROAD ROUNDABOUT                          | 2005 | 27214            | 1958        | 7.2  |
| SCUNTHORPE         | BRITANNIA CORNER                               | 2005 | 23083            | 1439        | 6.2  |
| SCUNTHORPE         | ASHBY ROAD/ WEST COMMON LANE                   | 2005 | 14691            | 550         | 3.7  |
| SCUNTHORPE         | MESSINGHAM ROAD/ BURRINGHAM ROAD               | 2005 | 13659            | 514         | 3.8  |
| SCUNTHORPE         | BURRINGHAM ROAD ROUNDABOUT (ASDA)              | 2005 | 12819            | 689         | 5.4  |
| SCUNTHORPE         | ASHBY HIGH STREET/ GRANGE LANE SOUTH           | 2005 | 12420            | 662         | 5.3  |
| BARTON UPON HUMBER | FERRIBY ROAD/ HOLYDYKE                         | 2005 | 12367            | 875         | 7.1  |
| SCUNTHORPE         | MESSINGHAM ROAD/ CHANCEL ROAD/ WILLOUGHBY ROAD | 2005 | 12332            | 532         | 4.3  |
| BARTON UPON HUMBER | BARROW ROAD/ WHITECROSS STREET                 | 2005 | 12164            | 1028        | 8.5  |
| SCUNTHORPE         | ASHBY HIGH STREET/ BOTTESFORD ROAD             | 2005 | 11448            | 533         | 4.7  |
| SCUNTHORPE         | MARY STREET/ OSWALD ROAD                       | 2005 | 11074            | 811         | 7.3  |
| SCUNTHORPE         | ASHBY ROAD/ LLOYDS AVENUE                      | 2005 | 10716            | 582         | 5.4  |
| EPWORTH            | BELTON ROAD/ HIGH STREET                       | 2005 | 10069            | 728         | 7.2  |

## Nitrogen Dioxide - Roads with over 10,000 vehicles per day and public exposure for 1 hr or more within 5m of the kerb.

| Town               | Road Number | Name              | Year | Predicted traffic | Predicted HV | % HV |
|--------------------|-------------|-------------------|------|-------------------|--------------|------|
| Scunthorpe         | CU6         | HOWDENS HILL      | 2005 | 29438             | 1541         | 5.2  |
| Gunness            | A18         | DONCASTER ROAD    | 2005 | 26049             | 4038         | 15.5 |
| Brigg              | A18         | BRIDGE STREET     | 2005 | 25532             | 2374         | 9.3  |
| Scunthorpe         | CU6         | ASHBY ROAD        | 2005 | 24047             | 1047         | 4.4  |
| Scunthorpe         | A18         | QUEENSWAY         | 2005 | 18756             | 1428         | 7.6  |
| Brigg              | A18         | BARNARD AVENUE    | 2005 | 18358             | 1261         | 6.9  |
| Scunthorpe         | A18         | KINGSWAY          | 2005 | 17234             | 1682         | 9.8  |
| Scunthorpe         | CU6         | OSWALD ROAD       | 2005 | 16999             | 1185         | 7.0  |
| Scunthorpe         | C221        | SCOTTER ROAD      | 2005 | 16105             | 1072         | 6.7  |
| Scunthorpe         | B1501       | GRANGE LANE SOUTH | 2005 | 15038             | 763          | 5.1  |
| Scunthorpe         | 461042      | DONCASTER ROAD    | 2005 | 14484             | 1376         | 9.5  |
| Scunthorpe         | CU6         | FRODINGHAM ROAD   | 2005 | 14078             | 516          | 3.7  |
| Scunthorpe         | B1450       | ASHBY HIGH STREET | 2005 | 12342             | 680          | 5.5  |
| Scunthorpe         | C173        | STATION ROAD      | 2005 | 11931             | 489          | 4.1  |
| Scunthorpe         | A159        | MESSINGHAM ROAD   | 2005 | 11376             | 392          | 3.4  |
| Bottesford         | B1501       | CHANCEL ROAD      | 2005 | 11389             | 690          | 6.1  |
| Barton upon Humber | A1077       | HOLYDYKE          | 2005 | 11323             | 867          | 7.7  |
| Barton upon Humber | A1077       | MARKET LANE       | 2005 | 11257             | 993          | 8.8  |
| Gunness            | B1450       | STATION ROAD      | 2005 | 11111             | 1050         | 9.5  |

Appendix 4(c)
Nitrogen Dioxide
Roads with Significant Flows of
HDVs

## Nitrogen Dioxide - Roads with over 2,500 HDVs per day and relevant exposure within 10m of the kerb.

| Town               | Road Number | Name        | Year | Predicted traffic | Predicted HV | % HV |
|--------------------|-------------|-------------|------|-------------------|--------------|------|
| South Killingholme | A160T/A160  | HUMBER ROAD | 2005 | 12588             | 5217         | 41.4 |

Updating & Screening Assessment 2003

Appendix 5
Nitrogen Dioxide
Receptors for Humberside International Airport

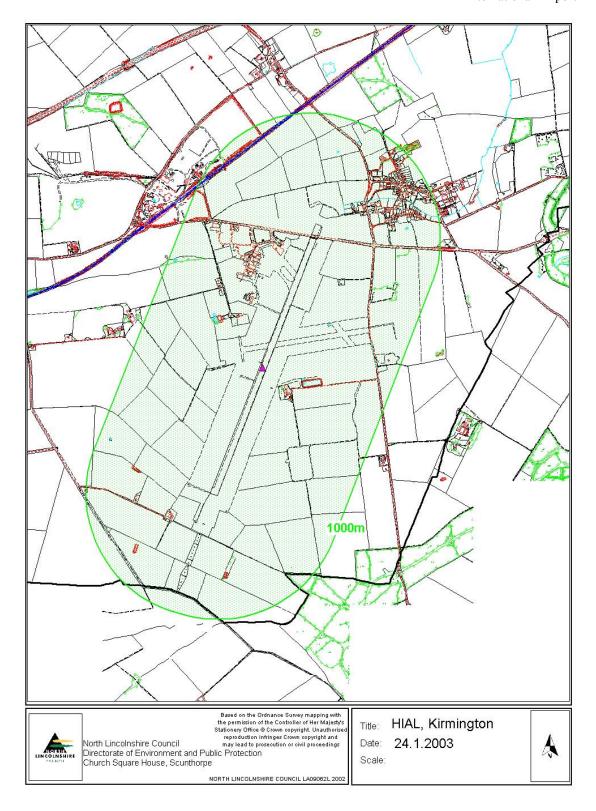


Figure 1

Updating & Screening Assessment 2003